UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/647,337	08/26/2003	Hiroyuki Sakuyama	241941US2	3529

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EXAMINER
ALAVI, AMIR

ART UNIT	PAPER NUMBER
2624	

NOTIFICATION DATE	DELIVERY MODE
06/12/2007	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

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PTOL-90A (Rev. 04/07)

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
  Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on <u>26 August 2003</u>.

2a)☐ This action is **FINAL**.   2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) <u>1-55</u> is/are pending in the application.

    4a) Of the above claim(s) <u>20-25,38-40 and 53-55</u> is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) <u>1-5,16-18,26-28,35-37,41-43 and 50-52</u> is/are rejected.

7)☒ Claim(s) <u>6-15,19,29-34 and 44-49</u> is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☒ The drawing(s) filed on <u>26 August 2003</u> is/are: a)☒ accepted or b)☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a)☒ All   b)☐ Some *   c)☐ None of:

      1.☒ Certified copies of the priority documents have been received.

      2.☐ Certified copies of the priority documents have been received in Application No. _____.

      3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1)☒ Notice of References Cited (PTO-892)

2)☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3)☒ Information Disclosure Statement(s) (PTO/SB/08)
    Paper No(s)/Mail Date <u>See Continuation Sheet</u>.

4)☐ Interview Summary (PTO-413)
    Paper No(s)/Mail Date. _____ .

5)☐ Notice of Informal Patent Application

6)☐ Other: _____ .

Continuation of Attachment(s) 3). Information Disclosure Statement(s) (PTO/SB/08), Paper No(s)/Mail Date :20031126;20040217;20040923;20050209;20061030.

DETAILED ACTION

Election/Restrictions

➢ Applicant's election of Group I in the reply filed on 04/25/2007 is acknowledged. Because applicant did not distinctly and specifically point out the supposed errors in the restriction requirement, the election has been treated as an election without traverse (MPEP § 818.03(a)).

➢ Claims 20-25,38-40 and 53-55 are withdrawn from further consideration pursuant to 37 CFR 1.142(b) as being drawn to a nonelected Group II, there being no allowable generic or linking claim. Election was made **without** traverse in the reply filed on 04/25/2007.

Claim Rejections - 35 USC § 102

> ➤ The following is a quotation of the appropriate paragraphs of 35

>   U.S.C. 102 that form the basis for the rejections under this section made

>   in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

> ➤ Claims 1-4,16-18,26-27,35-37,41-42 and 50-52 are rejected under 35

>   U.S.C. 102(b) as being anticipated by Aneja et al. (USPAP

>   2002/0051154 A1).

Regarding claim 1, Aneja et al. disclose input means for inputting

compressed and transformed input codes (Please note, figure 1, element 15, also

paragraph 0024. As indicated transport decoder 55 provides MPEG compatible video,

audio, and sub-picture streams to MPEG decoder 65. The video and audio streams

contain compressed video and audio data representing the selected channel program

content), header information rewriting means for rewriting only header information within

the codes so as to change a decoded state of the input codes (Please note

paragraph 0033. As indicated OSD display unit 144, rewrites the display characteristics

in the retrieved OSD header and/or redraws the OSD pixel map to contain the

requested display characteristics before passing) and output means for outputting the

codes, including rewritten header information to a target object (Please note, figure 1,

element 75).

        Regarding claim 2, arguments analogous to those presented for

claim 1 are applicable.

        Regarding claim 3, Aneja et al. disclose input means for inputting

compressed and transformed input codes (Please note, figure 1, element 15, also

paragraph 0024. As indicated transport decoder 55 provides MPEG compatible video,

audio, and sub-picture streams to MPEG decoder 65. The video and audio streams

contain compressed video and audio data representing the selected channel program

content), header information rewriting means for rewriting only header information within

the codes so as to partially decode the input codes (Please note, paragraph 0036) and

output means for outputting the codes, including rewritten header information to a target

object (Please note, figure 1, element 75).

        Regarding claim 4, arguments analogous to those presented for

claim 3 are applicable.

Regarding claim 16, Aneja et al. disclose wherein header information rewriting section rewrites header information related to image size (Please note, paragraph 0034. As indicated a single OSD pixmap can be displayed over multiple video raster sizes).

Regarding claim 17, Aneja et al. disclose wherein header information rewriting section rewrites header information including a marker segment Isot indicating a tile number of a tile start marker (SOT) (Please note, figure 6).

Regarding claim 18, Aneja et al. disclose a code deleting section to delete a code which is no longer a target of a partial decoding due to rewriting of the header information by said header information rewriting section (Please note, paragraph 0033).

Regarding claim 26, arguments analogous to those presented for claim 1 are applicable.

Regarding claim 27, arguments analogous to those presented for claim 3 are applicable.

Regarding claim 35, arguments analogous to those presented for claim 16 are applicable.

Regarding claim 36, arguments analogous to those presented for claim 17 are applicable.

Regarding claim 37, arguments analogous to those presented for claim 18 are applicable.

Regarding claim 41, arguments analogous to those presented for claim 1 are applicable.

Regarding claim 42, arguments analogous to those presented for claim 3 are applicable.

Regarding claim 50, arguments analogous to those presented for claim 16 are applicable.

Regarding claim 51, arguments analogous to those presented for claim 17 are applicable.

Regarding claim 52, arguments analogous to those presented for claim 18 are applicable.

Claim Rejections - 35 USC § 103

> ➤ The following is a quotation of 35 U.S.C. 103(a) which forms the basis for

> all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set
forth in section 102 of this title, if the differences between the subject matter sought to be patented and
the prior art are such that the subject matter as a whole would have been obvious at the time the
invention was made to a person having ordinary skill in the art to which said subject matter pertains.
Patentability shall not be negatived by the manner in which the invention was made.

> ➤ Claims 5,28 and 43 are rejected under 35 U.S.C. 103(a) as being

> unpatentable over Aneja et al. (USPAP   2002/0051154 A1) in view of

> Sano (USPN 7,158,682 B2).

Regarding claims 5,28 and 43, Aneja et al. disclose input means for

inputting compressed and transformed input codes (Please note, figure 1, element 15,

also paragraph 0024. As indicated transport decoder 55 provides MPEG compatible

video, audio, and sub-picture streams to MPEG decoder 65. The video and audio

streams contain compressed video and audio data representing the selected channel

program content), header information rewriting means for rewriting only header

information within the codes so as to change a decoded state of the input codes (Please

note paragraph 0033. As indicated OSD display unit 144, rewrites the display

characteristics in the retrieved OSD header and/or redraws the OSD pixel map to contain the requested display characteristics before passing) and output means for outputting the codes, including rewritten header information to a target object (Please note, figure 1, element 75).

Aneja et al. do not disclose expressly, wherein the codes are JPEG2000 format codes which have been subjected to a discrete wavelet transform.

Sano disclose, wherein the codes are JPEG2000 format codes which have been subjected to a discrete wavelet transform (please note, column 4, lines 54-56. As indicated utilization of JPEG2000 format codes which have been subjected to a discrete wavelet transform).

Aneja et al. & Sano are combinable because they are from the same field of endeavor.

At the time of the invention, it would have been obvious to a person of ordinary skill in the art to utilize this JPEG2000 of Sano in Aneja et al.'s invention.

The suggestion/motivation for doing so as indicated on column 4, lines 54-56, would have been the concept that DWT has the advantage that the quality of image in high compression ranges is high, this is because the JPEG2000 algorithm, which is the succeeding algorithm of JPEG, has adapted the DWT.

Therefore, it would have been obvious to combine Sano with Aneja et al. to obtain the invention as specified in claims 5,28 and 43.

Allowable Subject Matter

➢ Claims 6-15, 19, 29-34 and 44-49 are objected to as being dependent
upon a rejected base claim, but would be allowable if rewritten in
independent form including all of the limitations of the base claim and any
intervening claims.

➢ The following is a statement of reasons for the indication of allowable
subject matter: None of the Prior Art disclose or fairly suggest wherein the
header information rewritten by said header information rewriting section
includes a number of elements in a highest level of a progressive order
and header information related to the elements..

➢ Any inquiry concerning this communication or earlier communications from the examiner should be directed to Amir Alavi whose telephone number is 571-272-7386. The examiner can normally be reached on Mon-Thu.. 8:00 am thru 6:30pm.

➢ If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Eileen D. Lillis can be reached on 571-272-6928. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

➢ Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov.

> ➤ Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

AA
Technology Division 2624
06 June 2007